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501.41142VX1



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: OGAWA et al  
Serial No.: 10/806,097  
Filed: March 28, 2004  
For: Liquid Crystal Display Device  
Group: 2871  
Examiner:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97 & 1.98**

Mail Stop: DD  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

October 24, 2005

Sir:

In the matter of the above-identified application, applicants are submitting herewith copies of the non-US patent documents as listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of a first office action on the merits and with the following certification specified in 37 CFR 1.97(e).

On information and belief, I hereby certify that each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

To the extent the documents listed on the attached form equivalent to Form PTO-1449 are not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language version


translation of the document or English language patent family member.

It is respectfully requested that this information disclosure statement and the listed documents be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (Case: 501.41142VX1), and please credit any excess fees to such deposit account.

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

  
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Paul J. Skwierawski  
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Attachments

|   |  |                                      |                          |
|---|--|--------------------------------------|--------------------------|
| Form PTO-1449<br>Equivalent   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DKT. NO.<br>501.41142VX1       | SERIAL NO.<br>10/806,097 |
| <b>INFORMATION DISCLOSURE STATEMENT<br/>BY APPLICANT</b><br><br>(Use several sheets if necessary) |  | <b>APPLICANT</b><br>OGAWA et al      |                          |
|   |  | <b>FILING DATE</b><br>March 23, 2004 | <b>GROUP</b><br>2871     |

## U.S. PATENT DOCUMENTS

| Ex. Initial | Doc. No. | Date | Name | Class | Subclass | Filing Date |
|-------------|----------|------|------|-------|----------|-------------|
| AA          |          |      |      |       |          |             |
| AB          |          |      |      |       |          |             |
| AC          |          |      |      |       |          |             |
| AD          |          |      |      |       |          |             |
| AE          |          |      |      |       |          |             |
| AF          |          |      |      |       |          |             |
| AG          |          |      |      |       |          |             |
| AH          |          |      |      |       |          |             |

## U.S. PATENT APPLICATIONS

|    | Publication Number | Name | Publication Date |
|----|--------------------|------|------------------|
| AI |                    |      |                  |
| AJ |                    |      |                  |
| AK |                    |      |                  |
| AL |                    |      |                  |

## FOREIGN PATENT DOCUMENTS

|    | Doc. No.  | Date  | Country | Class | Subclass | Translation/Abstract? |    |
|----|-----------|-------|---------|-------|----------|-----------------------|----|
|    |           |       |         |       |          | Yes                   | No |
| AM | 5-308091  | 11/93 | Japan   |       |          | X                     |    |
| AN | 11-330154 | 11/99 | Japan   |       |          | X                     |    |
| AO | 5-323346  | 12/93 | Japan   |       |          | X                     |    |
| AP | 5-323348  | 12/93 | Japan   |       |          | X                     |    |
| AQ | 7-161771  | 6/95  | Japan   |       |          | X                     |    |

## OTHER DOCUMENTS

|          |                 |
|----------|-----------------|
| AR       |                 |
| AS       |                 |
| AT       |                 |
| Examiner | Date Considered |



|   |  |                                      |                          |
|---|--|--------------------------------------|--------------------------|
| Form PTO-1449<br>Equivalent   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DKT. NO.<br>501.41142VX1       | SERIAL NO.<br>10/806,097 |
| <b>INFORMATION DISCLOSURE STATEMENT<br/>BY APPLICANT</b><br><br>(Use several sheets if necessary) |  | <b>APPLICANT</b><br>OGAWA et al      |                          |
|   |  | <b>FILING DATE</b><br>March 23, 2004 | <b>GROUP</b><br>2871     |

**U.S. PATENT DOCUMENTS**

| Ex. Initial | Doc. No.  | Date | Name      | Class | Subclass | Filing Date |
|-------------|-----------|------|-----------|-------|----------|-------------|
| AA          | 5,877,543 | 3/99 | Matsubara |       |          |             |
| AB          |           |      |           |       |          |             |
| AC          |           |      |           |       |          |             |
| AD          |           |      |           |       |          |             |
| AE          |           |      |           |       |          |             |
| AF          |           |      |           |       |          |             |
| AG          |           |      |           |       |          |             |
| AH          |           |      |           |       |          |             |

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| AI |                    |      |                  |
| AJ |                    |      |                  |
| AK |                    |      |                  |
| AL |                    |      |                  |

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|    | Doc. No.  | Date | Country | Class | Subclass | Translation/Abstract?      |    |
|----|-----------|------|---------|-------|----------|----------------------------|----|
|    |           |      |         |       |          | Yes                        | No |
| AM | 5-100239  | 4/93 | Japan   |       |          | X                          |    |
| AN | 10-261853 | 9/98 | Japan   |       |          | X                          |    |
| AO | 9-82751   | 3/97 | Japan   |       |          | Corresponds to Document AA |    |
| AP | 8-78471   | 3/96 | Japan   |       |          | X                          |    |
| AQ |           |      |         |       |          |                            |    |

**OTHER DOCUMENTS**

|          |                 |
|----------|-----------------|
| AR       |                 |
| AS       |                 |
| AT       |                 |
| Examiner | Date Considered |